

# 2013 COMPOUND OWNER'S MANUAL



# TABLE OF CONTENTS

---

<b>Introduction</b> .....	<b>1</b>
<b>Bow Owner's Personal Info</b> .....	<b>2</b>
<b>Compound Bow Terminology</b> .....	<b>3</b>
<b>Important Safety Information</b> .....	<b>4</b>
 <b>Compound Bow Setup, Tuning and Maintenance</b>	
Accessory Selection .....	6
Draw Length .....	6
Draw Weight .....	6
Centershot Alignment .....	7
Nock Point Location .....	8
Fine Tuning .....	8
Tuning for Broadheads .....	8
Bow Maintenance .....	8
Strings and Cables .....	9
AirShox .....	9
StringShox and AlphaShox .....	11
StealthShot String Suppressor .....	11
Paint and Finish .....	11
Cam Lubrication .....	12
Bow Press Usage .....	12
In-Line Roller Guard .....	13
Cable Guard Installation .....	14
Cable Slide Installation .....	15
Draw Length Adjustment .....	15
Factory Settings .....	18
Cam Synchronization .....	19
Let-Off Adjustment .....	20
Locating Your Serial Number .....	22
Hoyt Carbon Bows Special Precautions and Information ...	22
<b>Compound Bow Warranty</b> .....	<b>26</b>

# INTRODUCTION

---

## **WELCOME TO TEAM HOYT!**

As a member of an elite team, you will be pleased to know that you have purchased the most technologically advanced and dependable bow on the market. Only the finest components go into every Hoyt bow, along with over 80 years of experience in bow technology and manufacturing. With some basic maintenance, your new bow will provide you with years of good shooting and dependable service. The following information provides helpful instruction on the proper care and maintenance of your new Hoyt bow. Keep this manual as a handy guide for future reference.



**593 N. Wright Brothers Drive  
Salt Lake City, Utah 84116-2887  
Phone (801) 363-2990 Fax (801) 537-1470  
[www.hoyt.com](http://www.hoyt.com)**

## BOW OWNER'S PERSONAL INFO

---

*Fill in the following personal bow record for your reference.*

Bow Serial Number \_\_\_\_\_

(See page 22 for information on where your bow serial number is located.)

Hoyt Bow Model \_\_\_\_\_

Purchased From \_\_\_\_\_

Purchase Date \_\_\_\_\_

Draw Length \_\_\_\_\_ (in.) Draw Weight \_\_\_\_\_ (lb.)

String Length \_\_\_\_\_ (in.) Buss Cable Length \_\_\_\_\_ (in.)

Control Cable Length \_\_\_\_\_ (in.)

### **Important Notes:**

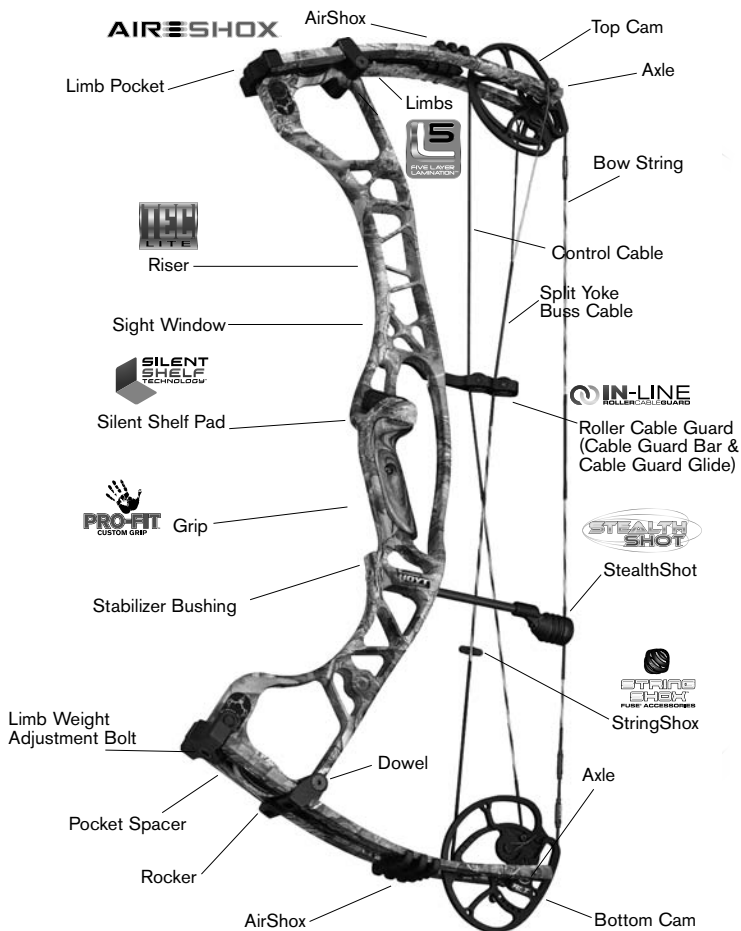
**Save a copy of your sales receipt and record the serial number for your bow.** The sales receipt, as well as the serial number, is your proof of date-of-purchase. **Proof of date-of-purchase will be required if your bow ever needs warranty service.** Attach a copy of the sales receipt to this owner's manual for safe and convenient keeping.

L  
A

### **IMPORTANT!**

Staple or tape a copy of your sales receipt  
here for safekeeping.

# COMPOUND BOW TERMINOLOGY



## WARNING! YOU'RE RESPONSIBLE FOR ARCHERY SAFETY

---

Please read the following safety information. Disregarding these warnings may cause serious injury to you and/or others.

**1. CAREFULLY INSPECT YOUR BOW BEFORE EACH USE.** Carefully note the condition of the bowstrings, limbs, cams and riser before you shoot. Frayed bowstrings should be replaced. Damaged risers, limbs, cams etc. should be reported to your local dealer for inspection or replacement. Using a bow with damaged components may result in serious injury and further bow damage.

**2. NEVER "DRY FIRE" YOUR BOW.** Dry fire means to draw and release the bowstring without firing an arrow. Firing a bow without an arrow (to absorb the energy) can cause severe damage to your bow and possible injury to the shooter or others nearby. Let down the bow slowly and carefully from any drawn position. Never try drawing a bow that does not fit your size or strength. Damage caused by a dry fire will not be covered under warranty.

**3. MINIMUM ARROW WEIGHT.** Do not shoot an arrow weighing less than five grains for every pound of peak draw weight. For example: If your bow's peak weight is 70 pounds, do not shoot an arrow weighing less than 350 grains. Shooting an arrow below five grains per pound can cause damage to your bow and possible injury to the shooter or others nearby. Damage caused by shooting an arrow that is too light will not be covered under warranty.

**4. NEVER EXPOSE YOUR BOW TO EXTREME HEAT OR PROLONGED MOISTURE.** Excessive heat, such as a sunny day inside a closed vehicle, could cause component

failure. Prolonged storage in a hot, dry attic or damp basement can also be damaging. Store the bow properly when not in use. Damage caused by extreme exposure will not be covered under warranty.

**5. BE SURE OF YOUR BACKSTOP.** Make sure that the backstop you use is large enough to catch a stray arrow and that it is thick enough that the arrow will not completely penetrate it. Make sure to position it in a safe direction away from people, livestock, buildings and roads.

**6. BE SURE OF YOUR TARGET.** Make sure that there are no people, livestock, buildings, roads or other objects behind or near your target. Be absolutely sure of your target in low light conditions.

**7. INSPECT ALL ARROWS.** Before shooting, inspect your arrows for defects. Discard cracked or dented shafts. Replace damaged or loose fletchings and nocks. Never shoot a damaged arrow. Shooting a damaged arrow can cause serious damage to your bow and or injure the shooter or others nearby.

**8. ALWAYS BE SAFE.** Never shoot straight up. Wear safety glasses when working on and shooting your bow. Be careful around strings and cables when using broadheads. Cutting strings and cables can cause serious damage to your bow and possible injury to you or others. Do not draw the bow beyond its maximum draw length. Never point or aim a drawn bow at another person. An adult must always supervise children.

**9. READ AND HEED ALL WARNINGS.** Hoyt cannot be held responsible for injuries suffered or caused by misuse, unsafe or improper arrow and bow combinations. Hoyt cannot be held responsible for injuries sustained when using an

altered, modified, or damaged Hoyt bow. In addition, always read the warning labels of any other product being used in conjunction with a Hoyt bow (target, arrows, quiver...) and adhere by the safety guidelines.

## **COMPOUND BOW SETUP, TUNING AND MAINTENANCE**

---

### **ACCESSORY SELECTION**

Hoyt and Fuse manufacture a broad selection of archery gear and accessories. Your Authorized Hoyt and Fuse dealer can help you choose, install and tune the proper gear and accessories for your style of shooting. Do not modify your bow to accommodate an accessory that is not meant for your bow. Altering or modifying your bow will void your bow's warranty and could potentially cause component failure and injury.

### **DRAW LENGTH**

Draw length is determined by many variables. Your Authorized Hoyt Dealer is trained in properly fitting the bow to your size and style of shooting. Hoyt offers three basic types of adjustable cams to fit archers needs; rotating inner-cam module cams, exchangeable module cams and draw length specific cams. Draw length is measured in inches using the ATA (Archery Trade Association) standard method. Measure from the deepest part of the grip or to the center of the Berger button (rest mounting hole) plus 1 $\frac{3}{4}$ ". See pages 15-20 for detailed instructions on adjusting your bow's draw length.

### **DRAW WEIGHT**

Weight adjustments can easily be made by turning the weight adjustment bolt clockwise to increase weight or counter clock-wise to decrease weight. To ensure your tiller stays equal always turn the top and bottom adjustment bolts in equal amounts (see diagram on page 3).



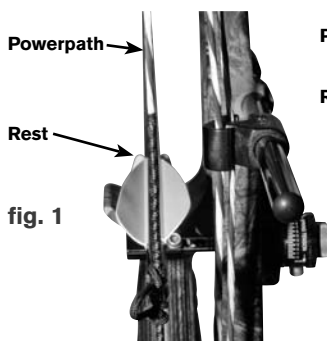
Hoyt bows are capable of being reduced to 10 pounds lower than the peak weight. For example, a Hoyt bow with a 60 lb. max weight can be adjusted to as low as 50 lbs. Do not let out or loosen your limb bolts more than 8 turns. Bows adjusted to their peak weight may draw up to four pounds heavier than the labeled max weight.

**Note: It is NOT necessary to loosen the dowel screws to adjust the weight on any Hoyt bow.**

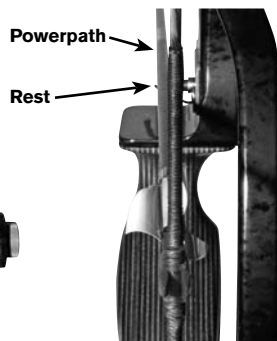
**Note:** It is not necessary to lower the draw weight for storage purposes.

### **CENTERSHOT ALIGNMENT**

Centershot is the alignment of the arrow to the power-path of the string. The measurement from the Berger button hole to the center of the arrow shaft should be approximately 13/16". This is accomplished by adjusting the arrow rest left or right. This is only a starting point, fine tuning adjustments may be needed to the centershot.



**Release Setting**



**Fingers Setting**

## **NOCK POINT LOCATION**

Your setup and style of shooting (arrow type, fingers or release aid, arrow rest, etc.) will determine the type and location of the nocking point. A good starting point is to adjust the nock point so the arrow and string make a 90-degree angle. This is only a starting point. Fine tuning adjustments to the nocking point may be needed. Hoyt does not recommend the use of brass or other metal clamp on nocking point devices. Only a qualified archery pro shop should install string components.

## **FINE TUNING**

Your Authorized Hoyt Dealer is the best resource for fine tuning your bow. There are many effective methods for tuning your whole set-up. An authorized Hoyt pro shop will be able to help you from start to finish with the entire tuning process.

## **TUNING FOR BROADHEADS**

Most bowhunters discover that they must make slight tuning or sight adjustments when switching from practice points to broadheads (even at the same weight). Broadheads create a dramatic aerodynamic change in arrow flight. For this reason, slight adjustments may need to be made in nocking point height, rest position or bow weight to achieve desired broadhead flight. Always test shoot broadheads before hunting to ensure proper sight settings. Even expandable broadheads may require different sight settings than field points.

## **BOW MAINTENANCE**

Your bow is a mechanical device and as such, is subject to wear and need of periodic inspection, adjustment and service. Hoyt recommends that you take your bow to a Hoyt authorized pro shop at least once a year for a professional maintenance, cleaning and inspection. Areas to be inspected

are axles, spacers, e-clips, strings, cables, limbs, cams, pockets and riser.

## **STRINGS AND CABLES**

Apply a light coat of bowstring wax to your bow's cables and string on a regular basis. Hoyt suggests once every two weeks during peak use. Use a high quality bowstring wax available at your local Hoyt pro shop. This will keep your bow's strings and cables in good condition. To ensure best results, replace your string and cables when wear is evident or every two years under normal use conditions. Insist that FUSE string and cables be used on your bow. All Hoyt bow models come equipped with the FUSE Custom String System. Always replace your strings with FUSE brand strings. Beware of lesser quality string and cables as they may alter the performance of your bow or cause damage to it, possibly voiding the warranty.

Never expose your string and cables to extended periods of extreme heat or prolonged moisture.

A bow should not be drawn or shot without the string components properly installed and secured. (For example: Peep sight, kissers button, nock point, D-loop, string silencers, etc.) Improper installations of string components are a potential safety hazard. Hoyt does not recommend the use of brass or other metal clamp-on nocking point devices. Only a qualified archery pro shop should install string components.

## **AIRSHOX**

AirShox come standard equipped on all 2013 Spyder, Carbon Element, Carbon Matrix, and Pro Comp Elite series bows. The factory installed AirShox are used to reduce noise and dampen vibration. Inspect the AirShox dampers periodically and replace them as wear is evident. Extra AirShox dampers may be

purchased through your local Hoyt Pro Shop. The Airshox dampers are not covered by warranty.

Always remove the AirShox extension arms while pressing the bow in a bow press, failure to do so may cause personal injury and/or damage to the bow. Damage to the bow as a result of not removing the AirShox extension arms for bow press usage is not covered by warranty. Remove the extension arm by removing the set screw. Re-install after all adjustments are completed and do not over-tighten the set screw.



**Set Screw**

Note: On Spyder and Carbon series bows, the AirShox extension arms are specific to the size of cam being used. Extension arms will have the same number designation the cams. For example, extension arm R3 is meant for cams R1 3.1 and R2 3.2. Always use the appropriate extension arms for the size of cams that are on the bow. Proper torque specification when attaching the Airshox arm to the pocket is 30-40 inch pounds.

Note: The AirShox system on the Pro Comp Elite series bows is engineered to be adjusted to accommodate different bow configurations. The extension arms are pre-set from the factory so the dampers lightly touch the outer side of limbs. If adjustments are needed, loosen the extension arm set screw and adjust as needed so the

damper lightly touches the outer side of the limbs, then re-tighten the set screw so it remains secure. Do not over tighten the extension arm set screw.

## **STRINGSHOX AND ALPHASHOX**

StringShox and AlphaShox are factory installed on some bows to dampen vibration and noise. Inspect them periodically and replace when wear is evident. String Shox and Alpha Shox are not covered under warranty.

## **STEALTHSHOT STRING SUPPRESSOR**

StealthShot is a highly effective noise and vibration dampening system. For optimum performance, make sure the StealthShot's rubber damper is just barely touching the string at brace height. Note: It should not have any pressure applied to it at brace height. By loosening the screw on the damper, you can adjust it so the string lies in the center.



## **PAINT AND FINISH**

The paint and finish on your bow are very low maintenance. A few simple actions can help keep your bow looking new. Keep it clean by removing mud, dust and other contaminants from the finish by using a damp cloth. After use during wet conditions, towel-dry your bow to prevent water damage. (Do not use a heat source to dry your bow.) For gloss target finishes, a yearly application of a high-quality automotive wax or polish is optional (avoid waxing the grip). Do not use chemicals, solvents or products that may harm your bow's finish. Any damage to the paint and

finish caused by, but not limited to, chemicals, solvents, scent sprays, or other products will not be covered under warranty. Warranty coverage of paint and finish is limited to manufacturing defects only.

## **CAM LUBRICATION**

Bows equipped with the Cam & 1/2 Performance System feature sealed ball bearings, which do not require lubrication. For conventional bearings or bushings, such as those found on AccuWheel, a light spot lubrication of the axles where they pass through the cam should be done on a regular basis (1,500 - 2,000 shots). In adverse hunting conditions where dirt, dust or moisture is encountered, lubrication may be done on a daily basis. Be sure to clean off any excess lubricant as it will attract dust and dirt and could possibly damage painted surfaces. Hoyt recommends you use a silicone or Teflon based lubrication or any other quality grease available at your local Hoyt pro shop. It is **NOT recommended that you use "Penetrating Oils" such as WD-40, EZ-#7, Fast Break, etc.**

## **BOW PRESS USAGE**

Placing a bow under the forces of a bow press is potentially dangerous if performed incorrectly and could lead to serious injury and bow damage. Never allow your bow to be put into a bow press unless it is done by a knowledgeable bow

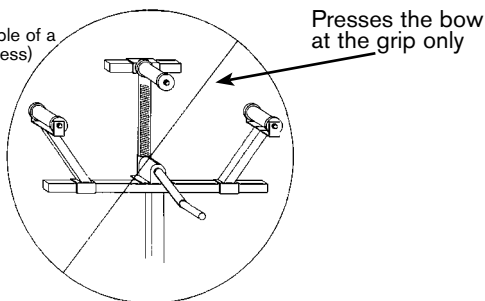
**fig. 2**  
(Examples  
of bow  
presses that  
only  
press the  
limbs)



technician. Hoyt recommends that an authorized Hoyt pro shop do all necessary adjustments requiring the use of a bow press. Damage to your bow due to the improper use of a bow press or any tool will void your bow's warranty.

When working on your bow, always use a double-pull bow

**fig. 3** (An example of a single-pull bow press)



press that presses only the limbs; like those shown in fig.2. Never use a single-pull bow press. (See fig. 3)

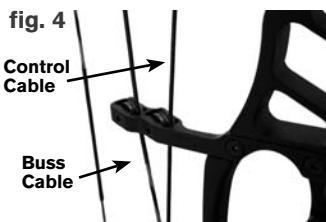
Before putting your bow in a bow press, loosen the weight lock bolts (if they are equipped on your model of bow) and weight adjustment bolts 5 to 7 turns from maximum weight (when limb bolts are adjusted all the way in). When putting your bow in the press, **never put pressure on the riser!**

### **IN-LINE ROLLER GUARD (select models)**

The In-Line Roller Cable Guard is factory installed and requires no additional installation. The roller wheels feature sealed bearings that require no lubrication. If wax or dirt accumulate on the roller wheels, simply clean the wheels with a soft cloth.

**Note:** When installing control and buss cables, make sure the control cable is routed through the roller track that is indicated

with “CC” and buss cable routes through the roller track that is indicated with “BC”. When installed correctly the cables will not touch each other. (See figs. 4 and 5). It is not necessary to remove the roller wheels to change the buss and control cables on 2013 models.



**fig. 5**

**CORRECT WAY**

**Insert the wheel and screw with the bearing side facing the shelf of the bow.**



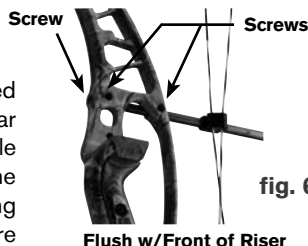
**WRONG WAY**

**Do not insert the screw with the bearing side facing away from the shelf.**



**CABLE GUARD INSTALLATION**

Some Hoyt bows are designed with a built-in cable guard bar attachment. To install the cable guard bar, simply slide the bar through the two mounting holes on the riser, making sure



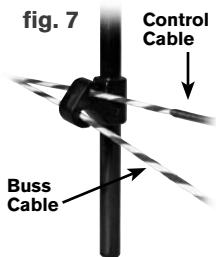
**fig. 6**



the bar is pushed completely through and flush with the end of the front mounting hole. After the bar has been inserted, fasten with the 1/4-20 x 1/2" set screws provided. (See fig. 6) The use of loctite is recommended when re-inserting screws.

## CABLE SLIDE INSTALLATION

To prevent your bow's cables from rubbing against each other, Hoyt uses a specially designed cable slide that has offset cable slots. To correctly install the slide on most Hoyt bows, first place the glide on the cable guard bar. (See fig. 7) Next, push the control cable into the shorter front slot. Then, push the buss cable into the longer rear slot.

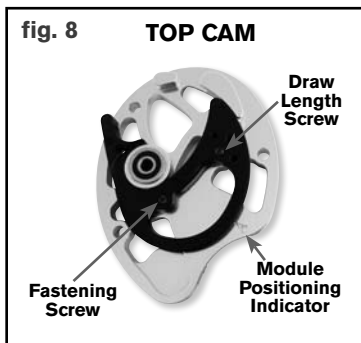


**Caution: Do not pull bow back without proper installation of cable guard bar and slide.**

## DRAW LENGTH ADJUSTMENT

Follow the directions below to adjust the draw length on Hoyt bows equipped with a rotating inner-cam module such as the GTX, M4, AccuWheel and VersaFlex (for RKT and Charger cam see page 17).

**Top Cam:** To adjust the draw length of Hoyt's cams with a rotating inner-cam module, use a standard Allen key to loosen the fastening screw and remove the draw length screw (See fig. 8). Rotating the inner-cam module in the (+) direction will lengthen the draw. Rotating the inner-cam module in the (-) direction will shorten the draw. Each lettered position will provide approximately 1/2 inch longer/shorter draw than the previous setting. Once the inner-cam module is in the desired location, reinstall and tighten the draw length screw first and



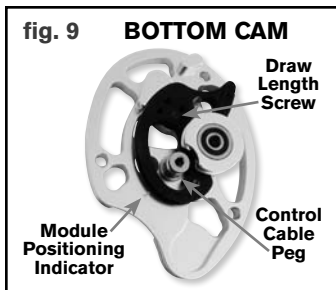
then the fastening screw.

**Note:** On the AccuWheel and VersaFlex cams, repeat the top cam draw length adjustment instructions on the bottom wheel as well.

### Bottom Cam:

Remove the draw length screw, rotate the inner-cam module to the same lettered position as the top inner-cam module, and replace the screw. (See fig. 9) You must have both top and bottom inner-cam modules in the same lettered position or the bow will not tune properly. It may be necessary to use Blue Lock-Tite on the inner-cam module screws to keep them secure.

**Note:** For screw removal on some models of bows, it may be necessary to utilize a bow press so the cam can be rotated to a position in which the set screws are clear of the cables and limbs.



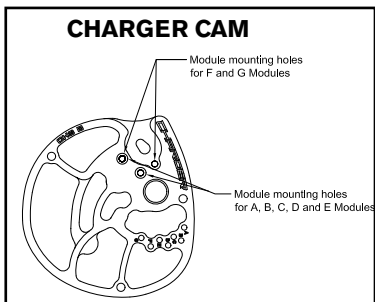
Only a qualified archery pro shop should operate a bow press.

**Note:** Never draw back a bow with loose, mismatched or missing inner-cam modules as serious injury and bow damage could occur.

**Warning: Never remove the stainless steel control cable peg unless the string is relaxed in a bow press. Doing so may cause serious injury and bow damage.**

Follow the directions below to adjust the draw length on a Hoyt bow equipped with an exchangeable module (RKT Cam and Charger Cam).

No bow press is needed to make the following adjustments. Once you have determined the desired draw length, simply loosen and remove the module screws with a standard 7/64 Allen key. There are 3 screws on the top cam and 2 screws on the bottom cam that hold the modules in position. Once the screws have been loosened and removed, simply remove the modules from the cams. Then replace the modules with ones that correspond to the desired draw length. (Do not over-tighten module screws.) It may be necessary to use Blue Lock-Tite on the module screws to keep them secure. After the desired draw modules are installed, the draw-



stop that is located on the bottom cam needs to be adjusted. Remove the draw stop with a 5/64 Allen key and reinstall it in the threaded hole that corresponds with the letter on the cam module. For example: Cam module RK-2A-BR would use draw-stop peg position A. For a detailed instructional video on cam and draw length adjustment please visit:

<http://www.youtube.com/watch?v=T-51Z-z98Zc>

**Note:** Never draw back a bow with mismatched or missing cam modules and draw-stop peg, as serious injury and bow damage could occur.

**Note:** Draw length modules of various sizes may be purchased at your local Authorized Hoyt Dealer.

When changing draw length on draw length-specific cams (e.g. Spiral X), consult an Authorized Hoyt Dealer for complete instructions. To change the draw length, it is necessary to change to a different size of cams.

**Note:** Not all draw length-specific cam models utilize the same deflection of limb, shooting-string, control-cable and buss-cable. When changing cam sizes it may be necessary to change limbs, string, and cables.

## **ADJUSTING YOUR BOW TO FACTORY SETTINGS**

To verify that the factory specifications (cam orientation, draw length, draw weight, brace height, axle-to-axle, etc.) are correct, use a proper bowpress and remove the string and cables (this should only be done by an authorized Hoyt dealer). Then measure the string and cables and add or remove twists to obtain the proper length. Strings and cables should must be measured under 100

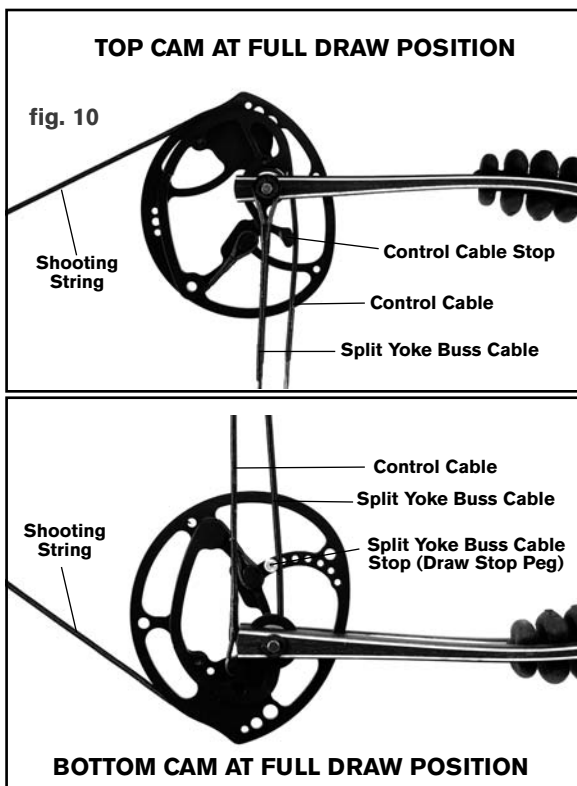
lbs. of load. Then re-install the correct length string and cables. Once the string and cables are installed on the bow, only add twists to either the control cable or buss cable to synchronize the draw stops on the cams at full draw.

## **CAM SYNCHRONIZING**

Hoyt Cam & 1/2 Performance Systems require very little maintenance. Once the shooting string, control cable and buss cable are set to the correct lengths, cam synchronizing should require little or no maintenance. Both top and bottom cams are slaved together via the control cable – forcing both cams to always move together, regardless of when the cables come into contact with the cable stops. There is a broad range where the cams can be synchronized. Hoyt Engineers and Hoyt Professional Shooters alike have found that varying the cam synchronization has little or no variation on downrange arrow impact. If you feel that the cam synchronizing or positioning is incorrect due to the shooting string, control cable or buss cable not being in specification, note the following instructions: (see fig. 10 for image of proper synchronization)

Measure your strings and adjust them to the recommended factory length by adding or subtracting twists. Then reinstall the adjusted strings onto the bow.

When drawing the bow back, if the control cable-stop located on the top cam touches before the yoked buss cable-stop on the bottom cam, shorten the control cable by adding twists. When drawing the bow back, if the yoked buss cable stop on the bottom cam touches before the control cable stop on the top cam, shorten the yoked buss cable by adding twists.



**Note:** Hoyt measures bowstrings with the ATA (Archery Trade Association) standard method.

### **GTX AND SPIRAL X CAM LET-OFF ADJUSTMENT**

GTX cams are available with either 65% or 75% modules. Changing the let-off should be done by a qualified pro

shop. To change the let-off on this cam you must use a bow press to relax the cams and strings. Top cam: Remove the top cam module and replace it with the desired let-off. Bottom cam: Remove the string and cables. Next, remove the control cable peg and module screws, then remove the module. Replace it with the desired let-off module and reinstall the control cable peg and module screws. Blue loctite should be used when re-installing the control cable peg. Be sure the module numbers correspond with the cam numbers. For example, a GTX #5 cam would take a GX5 module. Be sure to adjust the modules to the same lettered module position as each other. For example, if the top module is in the "E" position, the bottom module must be in the "E" position. Never draw back a bow with mismatched or missing cam modules and set screws, as serious injury and bow damage could occur.

The let-off on the Spiral X Cam & 1/2 can be adjusted using a standard 1/16 Allen key. The ATA let off values of the Spiral X Cam & 1/2 System vary from 65% to 55%. The bottom Spiral X cams have four threaded draw-stop holes numbered 1 through 4. For the lowest let-off (55%), the draw-stop peg should be placed in hole #4. Place the draw stop peg in hole #1 for the highest let-off (65%, factory default). Some Spiral X cams may only have 2 or 3 holes.

**Note:** On Spiral X cams, changing the draw-stop position will alter the draw length by approximately 1/8" for each draw-stop hole. The draw length will be shortened when changing to a lower let-off position and lengthened in the higher let-off positions.

## LOCATING YOUR SERIAL NUMBER

The six or seven-digit serial number on Hoyt compound bows can be located in one of the following locations. It will either be located on the riser between the top limbs and under the pocket (See fig. 11), or near the arrow rest mounting location (See fig. 12). If you have already attached a rest to your riser, you may have to remove it to see the serial number. The serial number on Hoyt Carbon bows is found between the sight mounting holes. The serial number on the Charger series will be found under the grip. To locate, simply remove the two attachment screws and remove the grip. The Serial number for a Pro-Comp series bow is located under the cable guard bar.

fig. 11



Top Pocket

Serial Number

fig. 12



## HOYT CARBON RISER SPECIAL PRECAUTIONS AND INFORMATION:

1) Composite constructed components, such as Hoyt Carbon Risers, may show small surface separations in the paint and/or top surface layer of the construction. This is a typical composite condition which may become more visible as the bow is used over time. These small separations are considered normal and non-structural provided that they are under 1/8 inch in length and less than 1/32 inch wide at its widest location. These are



typically not fractures or breaks in the carbon fibers themselves and do not represent a structural failure.

For separations that are larger than 1/8 inch in length and/or wider than 1/32 inch wide, the bow should be returned to Hoyt for inspection and testing. (See warranty information for instructions on returning product to Hoyt). If the bow is found to have a structural failure, the riser will be repaired or replaced under the normal conditions of Hoyt's Limited Lifetime Warranty. If the bow has no structural failure, the bow will be returned and can resume normal use.

2) Extreme care should be taken to avoid impact damage to a Hoyt Carbon Riser.

Hoyt Carbon Risers are designed to withstand high stress flexing and high stress loading that would be associated with normal use and function of the bow.

However, in general, composite structures do not withstand high load impact such as being dropped from a tree, or by having some other object impact the structure. In the event that your bow does encounter a surface impact, you must carefully inspect the riser for damage.

If impacted, inspect the area for visible broken fibers, multitude of separation cracks, cracking that appears to resemble a spider-web, dented surface, or a soft flexible surface at the impact point. If any of the above conditions are apparent or suspected, the bow should be considered damaged and should not be drawn or used any further.

In the event that the bow was exposed to an impact and damage is evident as described above, you can return the bow to Hoyt for an evaluation. (See warranty information for instructions on returning product to Hoyt). If the riser is determined to be damaged and not fit for use, Hoyt may offer a replacement of damaged components at the owner's expense. Damage, including impact damage, caused accidentally, from misuse of the product, or from use not associated with normal archery practices, is NOT covered under the Hoyt Limited Lifetime warranty.

3) Hoyt Carbon Risers, or any other component of any Hoyt bow, should not be modified in any way. Drilling holes, cutting, filing, sanding, or other forms of physical modifications to any Hoyt bow or component will damage the bow and could possibly cause harm or injury to the owner or bystanders. Any modification to any bow or component will immediately void any and all warranty for the bow and/or component.

4) Hoyt Carbon Risers are constructed by various aluminum components that are either attached by adhesive or by mechanical fasteners such as screws to the exterior of the riser. Any attempt to remove any of the aluminum factory attached components will damage the bow and could possibly cause harm or injury to the owner or bystanders and will immediately void any and all warranty for the bow and/or components. Do not attempt to remove or adjust the security screws attaching the stabilizer mount or the sight/arrow rest mounting insert.

5) Care should be given to not expose Hoyt Carbon Riser equipped bows to any solvents, lubricants, or other substances that contain silicone as the structure could

be weakened. A weakened riser has the potential to cause injury to or damage other components.

6) Care should be given to not expose Hoyt Carbon Riser equipped bows to extreme heat, flame, or other adverse conditions that could possibly damage the bow.

7) Composite constructed components, such as a Hoyt Carbon Riser bows may exhibit a creaking sound during the first few shots when the bow is new. This creaking sound could come and go for the first few 100 shots. This is a normal condition for Composite structures and is not a structural failure.

If a Hoyt Carbon Riser bow has been stored for a prolonged period of time without being used (several weeks at a time), the bow may exhibit creaking sound again for the first few shots. This is a normal condition for composite structures and is not a structural failure.



## **LIMITED LIFETIME WARRANTY**

PLEASE READ THIS DOCUMENT CAREFULLY. IT CONTAINS VERY IMPORTANT INFORMATION ABOUT YOUR RIGHTS AND OBLIGATIONS, AS WELL AS LIMITATIONS AND EXCLUSIONS THAT MAY APPLY TO YOU.

Hoyt warrants to the ORIGINAL OWNER that the Hoyt Compound Bow riser, limbs, limb pockets and eccentrics will be free from defects in materials and workmanship for the lifetime of the product under the following terms and conditions:

1. Hoyt bows must be purchased from a Hoyt Authorized Dealer (no exceptions).
2. The original owner must retain and provide an original and dated proof of purchase (sales receipt) from an Authorized Hoyt Dealer. Hoyt bows purchased via mail order, through an unauthorized retailer, or over the Internet voids all warranty.
3. THE ORIGINAL OWNER MUST REGISTER THE BOW WITH HOYT WITHIN 30 DAYS OF PURCHASE. To register your bow, visit [www.hoyt.com/customer\\_service/](http://www.hoyt.com/customer_service/) to complete the registration process electronically, or contact Hoyt at (801) 363-2990 to request a registration card.
4. All compound bows must have the original serial number factory-attached to the bow. The serial number must remain legible.

**THIS LIMITED LIFETIME WARRANTY IS NOT TRANSFERABLE.**

### Exclusions from Warranty Coverage.

This Limited Lifetime Warranty covers normal use of the product, and Hoyt does not warrant and is not responsible for:

1. The use of aftermarket products/accessories that alter Hoyt's specs or design.
2. Damage to strings, cables, bearings, damping materials, finish (including paint, anodize, powder coat and film-dipped finishes) resulting from normal wear-and-tear.
3. If bow shows sign of misuse, alteration, or mishandling, this warranty will be void.
4. Use of arrows weighing less than 5 grains per pound of draw weight will void the warranty.
5. Damage to 'other' accessories.
6. Aftermarket replacement strings.
7. Bows returned to Hoyt without a Return Authorization number obtained by a Hoyt Authorized Dealer.

### **OBTAINING WARRANTY SERVICE**

To obtain warranty service, you must return your bow to a Hoyt Authorized Dealer. The dealer can help to determine if Hoyt factory service is required or if the dealer can complete the repair. Authorized Hoyt dealers may provide additional services and apply additional charges for service work performed by the dealer.

If the bow must be returned to the factory, **THE BOW OWNER IS RESPONSIBLE FOR THE FREIGHT CHARGES TO HOYT.** Hoyt, in turn, will pay for the same return freight of the repaired product.

Before any bow is returned to Hoyt, a Return Authorization (RA) number must be obtained through an Authorized Hoyt Dealer. Please note that Hoyt will not issue RAs to consumers. Bows returned to the factory without a Return Authorization number obtained from a Hoyt Authorized Dealer may be denied warranty service.

If Hoyt determines, in its sole discretion, that a bow qualifies for warranty repair, Hoyt will make every effort to repair the bow. Repairs may be performed with original parts when available. Hoyt reserves the right to make part substitutions on warranty coverage for any reason. If original parts are not available, suitable replacement parts/components may be used.

If the Hoyt bow is not repairable, but qualifies for warranty coverage, Hoyt will replace the bow with a bow of similar feature and product class in Hoyt's sole determination.

THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED THAT EXTEND BEYOND THOSE WRITTEN HERE. NO AGENT, EMPLOYEE OR REPRESENTATIVE OF HOYT OR ITS DEALERS HAVE THE AUTHORITY TO BIND HOYT TO ANY AGREEMENT NOT HEREIN STATED.

#### **LIMITATION OF LIABILITY**

IN NO EVENT SHALL HOYT BE LIABLE UNDER ANY CIRCUMSTANCE TO YOU OR ANY OTHER PARTY FOR ANY SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PRODUCTS,

EVEN IF THE COMPANY OR ANY OF THE COMPANY AFFILIATES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL HOYT OR ANY HOYT AFFILIATE BE LIABLE TO YOU OR ANY OTHER PARTY FOR LOSS, DAMAGE, OR INJURY OF ANY KIND BEYOND THE BOW ITSELF.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



**Hoyt**  
**593 N. Wright Brothers Drive**  
**Salt Lake City, Utah 84116-2887**

# NOTES

---

---

---

---

---

---

---

---

---

---

---

---



# NOTES

---

---

---

---

---

---

---

---

---

---

---

---

---

# NOTES

---

---

---

---

---

---

---

---

---

---

---

---

# NOTES

---

---

---

---

---

---

---

---

---

---

---

---



593 N. Wright Brothers Drive  
Salt Lake City, Utah USA 84116-2887

Phone 801.363.2990 Fax 801.537.1470

[www.hoyt.com](http://www.hoyt.com)